

UNITED STATES ARMY
AVIATION and MISSILE LIFE CYCLE MANAGEMENT COMMAND

CORROSION PROGRAM

Presented by: Ted Wiesner
AMCOM Corrosion Program Office
Corrosion Prevention and Control Center of Excellence

Steven F. Carr
AMCOM Corrosion Program Manager



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Corrosion Prevention and Control Center of Excellence



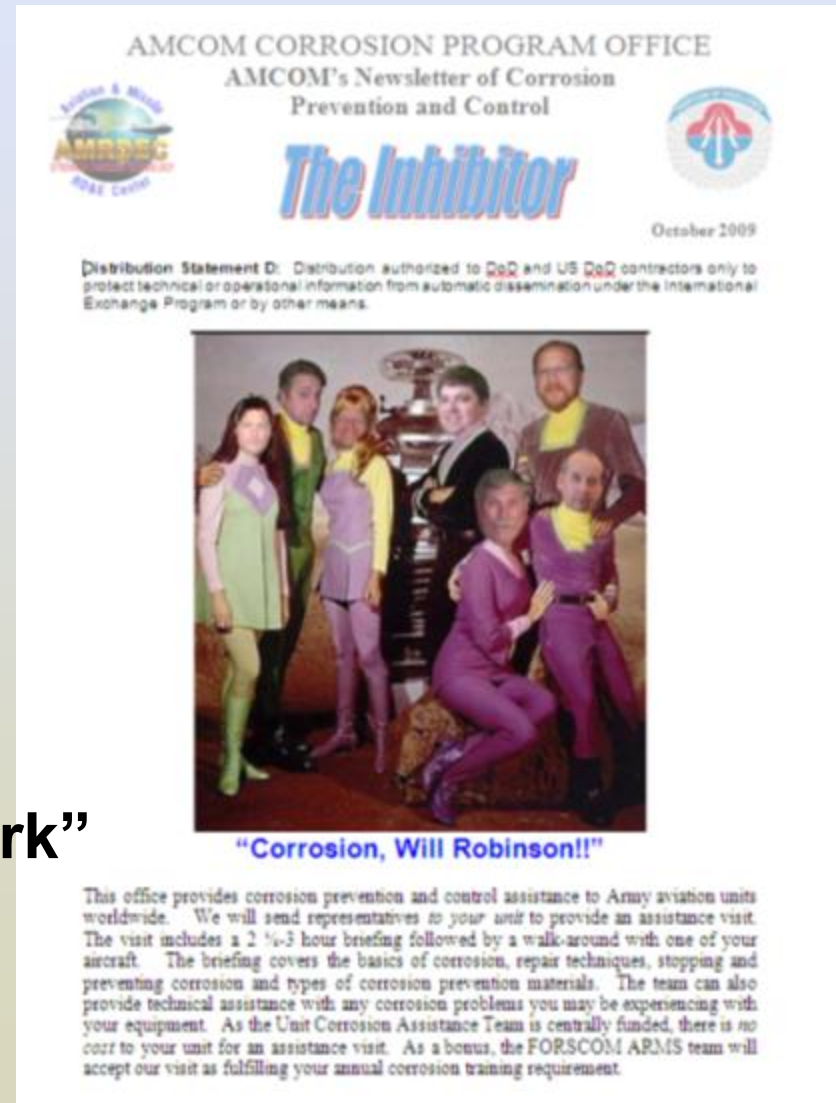
Mission

- GATHER AND PROCESS** Data to identify trends and target efforts.
- ASSESS** opportunities for technology insertion to reduce life-cycle costs and reduce the maintenance burden on the warfighter.
- COORDINATE** with industry reps and all uniformed services to ensure use of “best practices”.
- PRODUCE** job-aids and administrative tools for units in the field, such as Corrosion SOPs to eliminate duplication of effort.
- PROVIDE**
 - “Eyes in the field” to help identify corrosion trends for the various PM Offices
 - Training and Technical Assistance to the Warfighter
 - A Clearinghouse for current CPC information.



Communication Channels

- **Quarterly Newsletter**
(THE INHIBITOR)
- **New training CDs**
(in development)
- **Website** (www.corrweb.org)
 - Technical Requests
 - Checklists
 - Newsletter Archive
 - Training
- **Corrosion Monitor “Network”**





Targeted Classes

- ***Standard Maintainers' Class***
 - *Technician's Class*
 - *Your Site- Worldwide- Throughout the Year*
 - *Call us (email...whatever...)*
- ***Maintenance Managers' Class***
 - ***Less Technical, More Program***
 - *All 151A "Walking Warrant" Classes at Ft Eustis (moving to Ft Rucker?)*
 - *All AMMC Classes at Ft Rucker*
 - *AMCOM Logistics Assistant Representative School (LAR-U) at Redstone*
- ***Corrosion Monitor Class***
 - **Technical and Program**
 - **Army Requirements**
 - **Vendor and PM presentations**
 - **30 March -1 April 2010**
 - **8-10 June 2010**
 - **3-5 August 2010**



Corrosion Assistance Team (CAT) Visits

Classroom Briefing

- ***General Corrosion Theory***
- ***Preventive Maintenance***
- ***Repair Techniques***
- ***Approved Products***
- ***Ordering Materials***
- ***ARMS Compliance***



Hands-on

- ***Conducted on Unit Aircraft***
- ***Known Corrosion Trouble Spots***
- ***Lessons Learned at Other Visits***
- ***Local Aircraft Wash Procedures***
- ***Corrosion Prevention Materials***
- ***Local Unit Corrosion Issues***



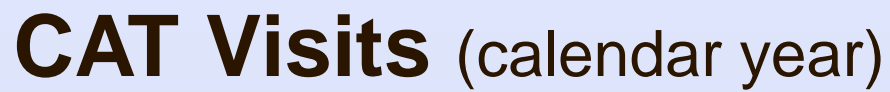


Personnel Trained 2009



100 Units

**3000
Personnel**





AH-64D

**Primary Hydraulic Manifold Harness (W419): P1047-
Connector's positioning is conducive to water intrusion.**



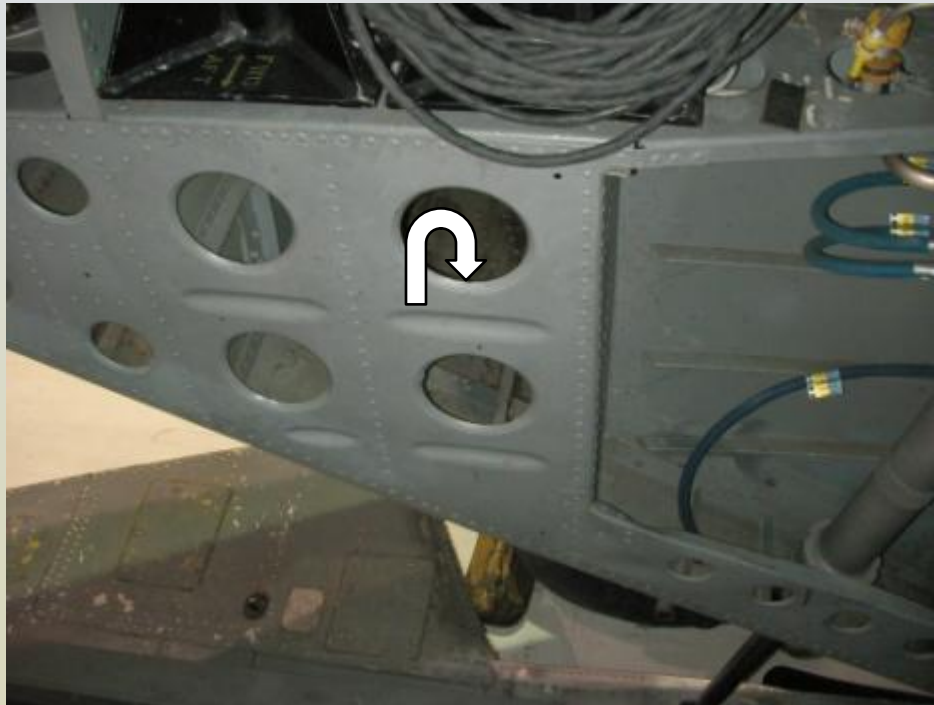
**Av-DEC sealing procedures and Potting Instructions MIM 09-001
(Article in December issue of The Inhibitor)**



CH-47 Chinook

Water Entrapment

This area is notorious for collecting water, dirt and debris. Some units have made drain holes here (UNAUTHORIZED) which will allow water to enter cabin during water landings. Good housekeeping is the solution.

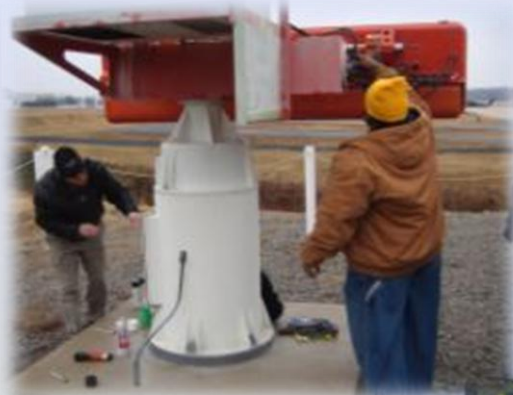




Air Traffic Control Site Visits

■ CONUS Sites

- Ft Belvoir
- Ft Bragg
- Redstone Arsenal
- Ft Rucker
- Ft Drum



■ OCONUS Sites

- Camp Humphreys,
Republic of Korea





Air Traffic Control (ATC)

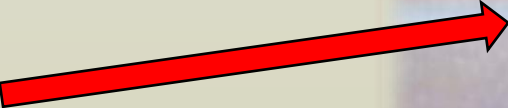
- **AN/FPN-67 FBPAR (Fixed Base Precision Approach Radar)**
 - Pedestal water intrusion leading to extensive corrosion
 - Junction box corrosion
 - Cable sheathing breakdown
 - Cable entry-point not environmentally sealed
 - Microbiological growth on cables

Transitioning old fixes to new equipment





Air Traffic Control (ATC)

- **Technical Manual Review of 3 Systems**
 - Air Traffic Navigation, Integration, and Coordination System (**ATNAVICS**) AN/TPN-31
 - Tactical Airspace Integration System (**TAIS**) AN/TSQ-221
 - Fixed Base Precision Approach Radar (**FBPAR**) AN/FPN-67
 - **NEW ATC GUY!!!** 





Air Traffic Control

Saltwater Tropical Environmental Effects on Digital Airport Surveillance Radar (DASR) Kwajalein Atoll





Unmanned Aerial Vehicle (UAV) Field Support

**First UAV visits
Baumholder, Germany
Ft Huachuca, AZ**





Fixed Wing Field Support

Fixed Wing site visit requests have more than doubled!

Approximately 6 FW personnel currently signed up for the Corrosion Monitor Class





Good News!



RUN...
have
product from
approved
for POL Lockers!





Need Help?

We're waiting for your call!





Contacts

Steven F. Carr

AMCOM Corrosion Program Manager

steven.f.carr@us.army.mil; steve.f.carr@amrdec.army.mil

256-876-7472

Robert A. Herron

Assistant Corrosion Program Manager

robert.a.herron@us.army.mil; robert.herron@amrdec.army.mil

256-876-5061